

LAW OFFICES OF JONATHAN ALAN QUINE

By Junie Brook

Attorney Docket No. 407E-000500US Client Ref. No. 2001-328-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

MARTINS-GREEN, Manuela et al. et al.

Application No.: 09/811,162

Filed: March 16, 2001

For:

CHEMOKINES AND METHODS FOR INDUCING THE DIFFERENTIATION OF FIBROBLASTS TO MYOFIBROBLASTS

Examiner: Unassigned

Art Unit: 1645

STATEMENT ACCOMPANYING

SEQUENCE LISTING

Assistant Commissioner for Patents
Box Missing Parts
Washington, D.C., 20221

Washington, D.C. 20231

Sir:

The undersigned hereby states that the Sequence Listing submitted concurrently herewith does not include matter which goes beyond the content of the application as filed and that the information recorded on the diskette submitted concurrently herewith is identical to the written Sequence Listing.

Respectfully submitted,

Date 20 2001

Emily M. Haliday, J.D., Ph.D.

Reg. No. 38,903

LAW OFFICES OF JONATHAN ALAN QUINE

P.O. BOX 458

Alameda, CA 94501 Ph.: (510) 337-7871 Fax (510) 337-7877

BEST AVAILABLE COPY



SEQUENCE LISTING

<110> Martins-Green, Manuela
Feugate, Jo Ellen
Li, QiJing

<120> Chemokines and Methods for Inducing the Differentiation of Fibroblasts to Myofibroblasts

<130> 407E-000500US

<140> US 09/811,162

<141> 2001-03-16

<160> 13

<170> PatentIn version 3.0

<210> 1

<211> 1182

<212> DNA

<213> Gallusgallus

<220>

<221> . Unsure

<222> (1)..(2)

<223> "n" is unsure

<400> 1 nntcagcaat cctctgacag gagagatcac agctccacaa aacctcagct cagaaaacaa 60 gccaaacact cctaaccatg aacggcaagc ttggagctgt cctggccctc ctcctggttt 120 180 cagctgctct gtcgcaaggt aggacgctgg taaagatggg gaatgagctg cggtgccagt gcattagcac tcattctaag ttcatccacc ctaaatccat tcaagatgtg aagctgacgc 240 caagcggccc ccactgcaag aatgttgaaa tcatagctac tctaaaggat ggaagagagg 300 360 tgtgcttgga ccccactgct ccctgggtac agctgatcgt aaaggcactt atggccaagg 420 ctcagctcaa ttctgatgca ccactgtgag aaaattccag acaggaaaaa tcctcagaac 480 tgctcctgat ttctactggg agaaacatcc gaagaaggca tcatgaagca ttccatcttc 540 caccttccac atcggtgcct catgttaatt gcagatcctt gtatctattt atttattat 600 ttaactgcat gtatttaaaa aagtctttca taatggtcag tgctgtggga ttcactgtcc 660 agtgaaactg aagacactga atagcaaaag ggcttgctag gggaaatgaa gatcccttgg 720 aagccacttc agtcagacac aatcagttaa gtgcaatgca cttacagcac agcttgtttg 780 tattaagccc tactgtgttg ctattacagc agcaaactgg taattcctcc tgctcccctg 840 gagtgctcta gtatgttgtg tcaacaacag tttcctagtc agagtcagct catgccgact 900 gcagactgtg tttaaaactt cagaaatcta acctgcagaa tctgtaagac tgtgggtttg 960 gtatttatta tgatttccat ggtatttata aatatattta tttactagtt tctatacaag 1020 atggaaggag atgataactt gtgtaatttc tactggattt tctgttctta atgatgaata

cttaagaaac attcacatac ccattactct gcataaggac ttggttctat gtctaatacg	1080
tgagttattc agctaatgga aaaaaaacta cagcatgcat acacagaatt tgcttgtgag	1140
aatgtaatta cctcttacaa tatattaata aatatttat tt	1182
aatytaatta Cottottacaa tatattaata aatattotat to	1102
<210> 2 <211> 86 <212> PRT <213> Gallusgallus	
<400> 2	
Leu Ser Gln Gly Arg Thr Leu Val Lys Met Gly Asn Glu Leu Arg Cys 1 10 15	
Gln Cys Ile Ser Thr His Ser Lys Phe Ile His Pro Lys Ser Ile Gln 20 25 30	
Asp Val Lys Leu Thr Pro Ser Gly Pro His Cys Lys Asn Val Glu Ile 35 40 45	
Ile Ala Thr Leu Lys Asp Gly Arg Glu Val Cys Leu Asp Pro Thr Ala 50 55 60	
Pro Trp Val Gln Leu Ile Val Lys Ala Leu Met Ala Lys Ala Gln Leu 65 75 80	
Asn Ser Asp Ala Pro Leu 85	
<210> 3 <211> 1633 <212> DNA <213> Homosapiens	
<400> 3	60
agcagagcac acaagcttct aggacaagag ccaggaagaa accaccggaa ggaaccatct	60
cactgtgtgt aaacatgact tccaagctgg ccgtggctct cttggcagcc ttcctgattt	120
ctgcagctct gtgtgaaggt gcagttttgc caaggagtgc taaagaactt agatgtcagt	180
gcataaagac atactccaaa cctttccacc ccaaatttat caaagaactg agagtgattg	240
agagtggacc acactgcgcc aacacagaaa ttattgtaaa gctttctgat ggaagagagc	300
tctgtctgga ccccaaggaa aactgggtgc agagggttgt ggagaagttt ttgaagaggg	360
ctgagaattc ataaaaaaat tcattctctg tggtatccaa gaatcagtga agatgccagt	420
gaaacttcaa gcaaatctac ttcaacactt catgtattgt gtgggtctgt tgtagggttg	480
ccagatgcaa tacaagattc ctggttaaat ttgaatttca gtaaacaatg aatagttttt	540
cattgtacca tgaaatatcc agaacatact tatatgtaaa gtattattta tttgaatcta	600
caaaaaacaa caaataattt ttaaatataa ggattttcct agatattgca cgggagaata	660
tacaaatagc aaaattgagg ccaagggcca agagaatatc cgaactttaa tttcaggaat	720
	700

tgaatgggtt tgctagaatg tgatatttga agcatcacat aaaaatgatg ggacaataaa

780

ttttgccata aagtcaaatt	tagctggaaa	tcctggattt	ttttctgtta	aatctggcaa	840
ccctagtctg ctagccagga	tccacaagtc	cttgttccac	tgtgccttgg	tttctccttt	900
atttctaagt ggaaaaagta	ttagccacca	tcttacctca	cagtgatgtt	gtgaggacat	960
gtggaagcac tttaagtttt	ttcatcataa	cataaattat	tttcaagtgt	aacttattaa	1020
cctatttatt atttatgtat	ttatttaagc	atcaaatatt	tgtgcaagaa	tttggaaaaa	1080
tagaagatga atcattgatt	gaatagttat	aaagatgtta	tagtaaattt	attttattt	1140
agatattaaa tgatgtttta	ttagataaat	ttcaatcagg	gtttttagat	taaacaaaca	1200
aacaattggg tacccagtta	aattttcatt	tcagataaac	aacaaataat	tttttagtat	1260
aagtacatta ttgtttatct	gaaattttaa	ttgaactaac	aatcctagtt	tgatactccc	1320
agtcttgtca ttgccagctg	tgttggtagt	gctgtgttga	attacggaat	aatgagttag	1380
aactattaaa acagccaaaa	ctccacagtc	aatattagta	atttcttgct	ggttgaaact	1440
tgtttattat gtacaaatag	attcttataa	tattatttaa	atgactgcat	ttttaaatac	1500
aaggctttat atttttaact	ttaagatgtt	tttatgtgct	ctccaaattt	tttttactgt	1560
ttctgattgt atggaaatat	aaaagtaaat	atgaaacatt	taaaatataa	tttgttgtca	1620
aagtaatcaa gtg					1633

```
<210> 4
<211> 77
<212> PRT
<213> Homograpie
```

<213> Homosapiens

<400> 4

Ala Val Leu Pro Arg Ser Ala Lys Glu Leu Arg Cys Gln Cys Ile Lys 1 5 10 15

Thr Tyr Ser Lys Pro Phe His Pro Lys Phe Ile Lys Glu Leu Arg Val 20 25 30

Ile Glu Ser Gly Pro His Cys Ala Asn Thr Glu Ile Ile Val Lys Leu 35 40 45

Ser Asp Gly Arg Glu Leu Cys Leu Asp Pro Lys Glu Asn Trp Val Gln 50 55 60

Arg Val Val Glu Lys Phe Leu Lys Arg Ala Glu Asn Ser 70 75

```
<210> 5
```

<400> 5

Ser Ala Lys Glu Leu Arg Cys Gln Cys Ile Lys Thr Tyr Ser Lys Pro 1 5 10 15

Phe His Pro Lys Phe Ile Lys Glu Leu Arg Val Ile Glu Ser Gly Pro

<211> 72

<212> PRT

<213> Homosapiens

20 25 30

His Cys Ala Asn Thr Glu Ile Ile Val Lys Leu Ser Asp Gly Arg Glu 35 40 45

Leu Cys Leu Asp Pro Lys Glu Asn Trp Val Gln Arg Val Val Glu Lys 50 55 60

Phe Leu Lys Arg Ala Glu Asn Ser 65 70

<210> 6

<211> 1102

<212> DNA

<213> Homosapiens

<400> 6

acagageceg	ggccgcaggc	acctcctcgc	cagctcttcc	gctcctctca	cagccgccag	60
acccgcctgc	tgagccccat	ggcccgcgct	gctctctccg	ccgccccag	caatccccgg	120
ctcctgcgag	tggcgctgct	gctcctgctc	ctggtagccg	ctggccggcg	cgcagcagga	180
gcgtccgtgg	ccactgaact	gcgctgccag	tgcttgcaga	ccctgcaggg	aattcacccc	240
aagaacatcc	aaagtgtgaa	cgtgaagtcc	cccggacccc	actgcgccca	aaccgaagtc	300
atagccacac	tcaagaatgg	gcggaaagct	tgcctcaatc	ctgcatcccc	catagttaag	360
aaaatcatcg	aaaagatgct	gaacagtgac	aaatccaact	gaccagaagg	gaggaggaag	420
ctcactggtg	gctgttcctg	aaggaggccc	tgcccttata	ggaacagaag	aggaaagaga	480
gacacagctg	cagaggccac	ctggattgtg	cctaatgtgt	ttgagcatcg	cttaggagaa	540
gtcttctatt	tatttattta	ttcattagtt	ttgaagattc	tatgttaata	ttttaggtgt	600
aaaataatta	agggtatgat	taactctacc	tgcacactgt	cctattatat	tcattcttt	660
tgaaatgtca	accccaagtt	agttcaatct	ggattcatat	ttaatttgaa	ggtagaatgt	720
tttcaaatgt	tctccagtca	ttatgttaat	atttctgagg	agcctgcaac	atgccagcca	780
ctgtgataga	ggctggcgga	tccaagcaaa	tggccaatga	gatcattgtg	aaggcagggg	840
aatgtatgtg	cacatctgtt	ttgtaactgt	ttagatgaat	gtcagttgtt	atttattgaa	900
atgatttcac	agtgtgtggt	caacatttct	catgttgaaa	ctttaagaac	taaaatgttc	960
taaatatccc	ttggacattt	tatgtctttc	ttgtaaggca	tactgccttg	tttaatggta	1020
gttttacagt	gtttctggct	tagaacaaag	gggcttaatt	attgatgttt	tcatagagaa	1080
tataaaaata	aagcacttat	ag				1102

<210> 7

Ala Ser Val Ala Thr Glu Leu Arg Cys Gln Cys Leu Gln Thr Leu Gln

<211> 73

<212> PRT

<213> Homosapiens

<400> 7

```
10
                                                        15
                5
Gly Ile His Pro Lys Asn Ile Gln Ser Val Asn Val Lys Ser Pro Gly
                                                    30
                                25
            20
Pro His Cys Ala Gln Thr Glu Val Ile Ala Thr Leu Lys Asn Gly Arg
Lys Ala Cys Leu Asn Pro Ala Ser Pro Ile Val Lys Lys Ile Ile Glu
                        55
    50
Lys Met Leu Asn Ser Asp Lys Ser Asn
65
                    70
<210> 8
<211> 6
<212> PRT
<213>
      Homosapiens
<400> 8
Ser Ala Lys Glu Leu Arg
<210> 9
<211> 11
<212> PRT
       Homosapiens
<213>
<400>
      9
Ala Val Leu Pro Arg Ser Ala Lys Glu Leu Arg
                                    10
1
<210> 10
<211> 15
<212> PRT
<213> Gallusgallus
<400>
Leu Ser Gln Gly Arg Thr Leu Val Lys Met Gly Asn Glu Leu Arg
<210> 11
<211> 8
<212> PRT
<213> Homosapiens
<400> 11
Ala Ser Val Ala Thr Glu Leu Arg
<210> 12
<211> 21
<212> DNA
<213> Gallusgallus
<400> 12
ggagcacctg aggacattga c
<210> 13
```

21

